

# Converting Colors

XYZ(29.8673, 22.3371, 14.5417)

Have a look what the booklet for  
XYZ(29.8673, 22.3371, 14.5417)  
contains.

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# Color

**XYZ(29.8673, 22.3371,  
14.5417)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C46763
RGB	196, 103, 99
RGB Percent	77%, 40%, 39%
CMY	0.2314, 0.5961, 0.6118
CMYK	0.00, 0.47, 0.49, 0.23
HSL	2°, 45%, 58%
HSV	2°, 49%, 77%
XYZ	29.8673, 22.3371, 14.5417
YIQ	130.3510, 56.7120, 18.4720

# Conversions

## Conversions Part 2

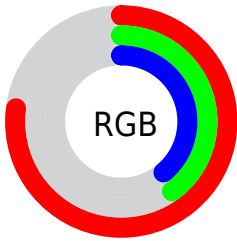
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	196, 103, 99
Decimal	12871523
CIE Lab	54.38, 36.56, 19.12
CIE LCh	54, 41.253, 27.610
Yxy	22.3371, 0.4475, 0.3347
Android (android.graphics.Color)	4291061603 (0xFFC46763)
YUV	130.3510, -15.4560, 57.5742
Hunter-Lab	47.2621, 30.0943, 14.8410

# Details

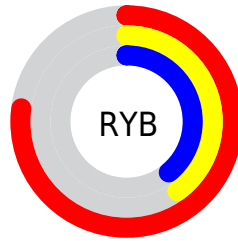
The XYZ color **29.8673, 22.3371, 14.5417** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **33.9579, 44.3351, 58.9921**, and the grayscale version is **21.3821, 22.4956, 24.4977**.

A 20% lighter version of the original color is **58.6335, 47.2389, 34.8819**, and **12.3742, 8.1974, 4.1789** is the 20% darker color. If you saturate the color by 10%, you get **27.3778, 18.6802, 9.6365**, and if you desaturate by 10%, it is **33.0053, 26.9272, 20.7852**.

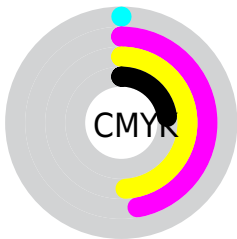
# Distribution



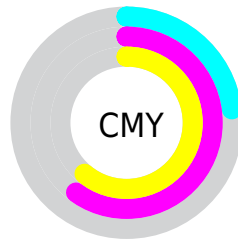
- Red (77%)
- Green (40%)
- Blue (39%)



- Red (77%)
- Yellow (40%)
- Blue (39%)



- Cyan (0%)
- Magenta (47%)
- Yellow (49%)
- Black (23%)



- Cyan (23%)
- Magenta (60%)
- Yellow (61%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 29.8673, 22.3371, 14.5417 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 29.8673, 22.3371, 14.5417 by changing the saturation by 10% instead.





 29.8673, 22.3371,  
14.5417


 29.8673, 22.3371,  
14.5417


293.2064,  
264.3017, 232.1197


 19.8855, 14.1048,  
8.3553


 58.8403, 47.3025,  
34.7780


 12.4196, 8.1936,  
4.2321


 78.5622, 64.8044,  
49.6650

 7.1043, 4.2191,  
1.7535


 102.2615, 86.1650,  
68.2894

 3.5743, 1.7969,  
0.3970

 130.3036,  
111.7687, 91.0696

 1.4643, 0.4852,  
0.0000

163.0537,  
141.9997, 118.4242

 0.3013, 0.0000,  
0.0000

200.8773,

 0.0000, 0.0000,

177.2427, 150.7717

0.0000

244.1398,  
217.8819, 188.5307

■ 29.8673, 22.3371,  
14.5417

■ 29.8673, 22.3371,  
14.5417

■ 27.3778, 18.6802,  
9.6365

■ 33.0053, 26.9272,  
20.7852

■ 25.4900, 15.8894,  
5.9709

■ 36.8310, 32.5048,  
28.4539

■ 24.1532, 13.8942,  
3.4343


■ 41.3825, 39.1240,  
37.6285


■ 23.3081, 12.6115,  
1.8960


■ 46.6947, 46.8340,  
48.3835


■ 22.8686, 11.9344,  
1.1270


■ 52.8000, 55.6810,  
60.7884

 22.8527, 11.9114,  
1.0947

 59.7292, 65.7085,  
74.9086

 67.5113, 76.9575,  
90.8058

 76.0448, 89.4157,  
107.8587

 76.5748, 90.4757,  
108.0354

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



31.1131, 22.3371, 25.3703



29.8673, 22.3371, 14.5417



26.2164, 22.3371, 8.8133

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



29.8673, 22.3371, 14.5417



14.7249, 22.3371, 13.3070



20.8716, 22.3371, 58.4747

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



29.8673, 22.3371, 14.5417



33.9579, 44.3351, 58.9921

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



16.9210, 22.3371, 51.8547



29.8673, 22.3371, 14.5417



13.6998, 22.3371, 23.3016

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



29.8673, 22.3371, 14.5417



17.4644, 22.3371, 8.2980



14.4437, 22.3371, 37.7233



25.5030, 22.3371, 53.5869



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



29.8673, 22.3371, 14.5417



23.1438, 22.3371, 7.2485



14.4437, 22.3371, 37.7233



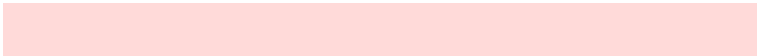
19.4261, 22.3371, 57.4824

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



29.8679, 22.3383, 14.5421



78.8888, 76.5705, 76.0970



36.8264, 24.4994, 53.1034



16.4562, 15.7660, 15.4195



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



29.8679, 22.3383, 14.5421



49.4252, 33.5877, 17.1217



36.0408, 34.6841, 16.5998



10.1058, 10.1431, 10.4870



14.6995, 7.6847, 0.7086



0.6469, 0.3555, 0.0345



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



33.9579, 44.3351, 58.9921



57.6332, 77.8164, 106.5902



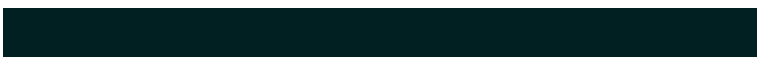
25.1232, 26.6657, 56.0472



10.3318, 11.3548, 12.9320



17.9606, 25.6776, 37.5663



0.7873, 1.1319, 1.6269



# Previews

## White Background



This preview shows how the XYZ color 29.8673, 22.3371, 14.5417 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

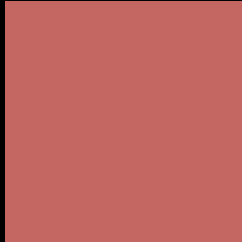
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the XYZ color 29.8673, 22.3371, 14.5417 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 29.8673, 22.3371, 14.5417**

## **Background**



This preview shows how black text looks on a background with the XYZ color 29.8673, 22.3371, 14.5417.



This preview shows how white text looks on a background with the XYZ color 29.8673, 22.3371,



# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

29.8673, 22.3371, 14.5417

### Protanopia

21.2238, 22.4535, 18.5446

### Deuteranopia

22.9167, 22.4620, 13.9542



## Tritanopia

30.5376, 22.4772, 17.1970

# Trichromacy



## Original Color

29.8673, 22.3371, 14.5417

## Protanomaly

23.4709, 21.7636, 16.8737

## Deuteranomaly

25.0502, 22.1132, 14.0143

## Tritanomaly

30.3271, 22.3930, 16.0885

# Monochromacy



## Original Color

29.8673, 22.3371, 14.5417

## Achromatopsia

21.2178, 22.3228, 24.3095

## Achromatomaly

23.3727, 21.6349, 20.3968

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 29.8673, 22.3371, 14.5417 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(196, 103, 99)` looks like.

```
.text, #text, p{  
    color:rgb(196, 103, 99)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(196, 103, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 103, 99) }
```

## Border

The CSS property to change the border of an element to XYZ 29.8673, 22.3371, 14.5417 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(196, 103, 99) }
```



If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(196, 103, 99) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(196, 103, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 103, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 103, 99);  
box-shadow:4px 4px 4px 4px rgb(196, 103,  
99) }
```

# Background

The CSS property to change the background color of an element to XYZ 29.8673, 22.3371, 14.5417 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 103, 99) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(196,  
103, 99) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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